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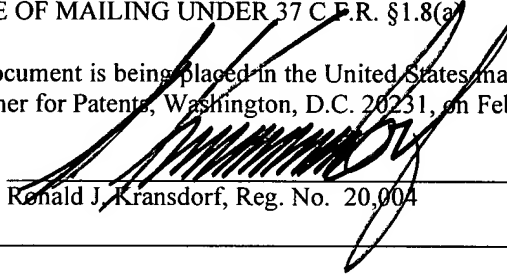
ATTORNEY'S DOCKET NO. S0622/7048

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Daniel Birx  
Serial No: 09/283135  
Filed: March 31, 1999  
For: PLASMA GUN AND METHOD FOR THE USE THEREOF  
Examiner: Michael Shingleton  
Art Unit: 2800

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on February 7, 2001.

  
Ronald J. Kransdorf, Reg. No. 20,004

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

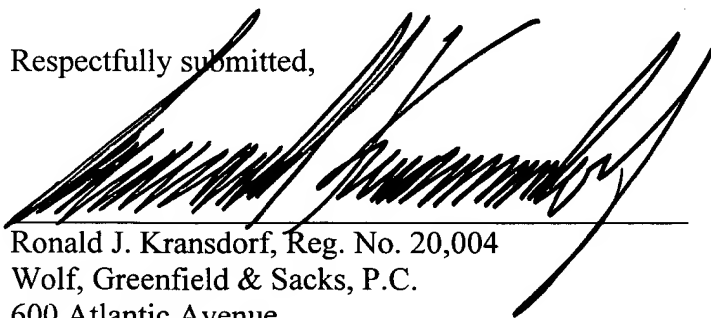
Transmitted herewith are the following documents:

- ☒ Amendment
- ☒ Replacement pages 1, 26 and 32
- ☒ Return postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617)720-3500, Boston, Massachusetts.

If a fee is required with this response it may be charged to Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
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Date: February 7, 2001  
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ATTORNEY'S DOCKET NO.: S0662/7048 RJK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Daniel Birx  
Serial No.: 09/283135  
Filed: March 31, 1999  
For: PLASMA GUN AND METHOD FOR USE THEREOF

Examiner: Michael Shingleton  
Art Unit: 2800

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Ronald J. Kransdorf, Reg. No. 20,004

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Sir:

AMENDMENT

In response to the Office Action mailed November 21, 2000, kindly amend the above-identified patent application as follows:

Page 1 has been amended on the attached sheet to reflect that the Patent Application has issued as a patent and to correct some related minor errors.

The Abstract has been replaced in its entirety with a substitute Abstract page 32.

Claim 1 has been amended as indicated below and claim 2 has been canceled.

In the Claims

1. (Amended) A high PRF plasma gun including:

- a center electrode;
- an outer electrode substantially coaxial with said center electrode, a coaxial column being formed between said electrodes, which column has a closed base end and an open exit end;
- an inlet mechanism for introducing a selected gas into said column;
- a plasma initiator at the base end of said column;
- a solid state simulated high voltage RF source selectively connected to drive said plasma initiator, said RF source operating at a frequency in the range of 10 MHz to 1000 MHz; and

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